



[6450-01-P]

DEPARTMENT OF ENERGY

Office of Energy Efficiency and Renewable Energy

Energy Conservation Program for Consumer Products: Representative Average Unit Costs of Energy

AGENCY: Office of Energy Efficiency and Renewable Energy, Department of Energy.

ACTION: Notice.

SUMMARY: In this notice, the U.S. Department of Energy (DOE) is forecasting the representative average unit costs of five residential energy sources for the year 2012 pursuant to the Energy Policy and Conservation Act. The five sources are electricity, natural gas, No. 2 heating oil, propane, and kerosene.

DATES: The representative average unit costs of energy contained in this notice will become effective [INSERT DATE 30 DAYS AFTER DATE OF PUBLICATION OF THIS NOTICE IN THE FEDERAL REGISTER] and will remain in effect until further notice.

FOR FURTHER INFORMATION CONTACT:

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SUPPLEMENTARY INFORMATION: Section 323 of the Energy Policy and Conservation Act (Act) requires that DOE prescribe test procedures for the measurement of the estimated annual operating costs or other measures of energy consumption for certain consumer products specified in the Act. (42 U.S.C. 6293(b)(3)) These test procedures are found in Title 10 of the Code of Federal Regulations (CFR) part 430, subpart B.

Section 323(b)(3) of the Act requires that the estimated annual operating costs of a covered product be calculated from measurements of energy use in a representative average use cycle or period of use and from representative average unit costs of the energy needed to operate such product during such cycle. (42 U.S.C. 6293(b)(3)) The section further requires that DOE provide information to manufacturers regarding the representative average unit costs of energy. (42 U.S.C. 6293(b)(4)) This cost information should be used by manufacturers to meet their obligations under section 323(c) of the Act. Most notably, these costs are used to comply with Federal Trade Commission (FTC) requirements for labeling. Manufacturers are required to use

the revised DOE representative average unit costs when the FTC publishes new ranges of comparability for specific covered products, 16 CFR part 305. Interested parties can also find information covering the FTC labeling requirements at <http://www.ftc.gov/appliances>.

DOE last published representative average unit costs of residential energy in a *Federal Register* notice entitled, “Energy Conservation Program for Consumer Products: Representative Average Unit Costs of Energy”, dated March 10, 2011, 76 FR 13168.

[INSERT DATE 30 DAYS AFTER DATE OF PUBLICATION OF THIS NOTICE IN THE FEDERAL REGISTER], the cost figures published in today’s notice will become effective and supersede those cost figures published on March 10, 2011. The cost figures set forth in today’s notice will be effective until further notice..

New Paragraph DOE's Energy Information Administration (EIA) has developed the 2012 representative average unit after-tax costs found in this notice. The representative average unit after-tax costs for electricity, natural gas, No. 2 heating oil, and propane are based on simulations used to produce the March, 2012, EIA Short-Term Energy Outlook. (EIA releases the Outlook monthly.) The representative average unit after-tax cost for kerosene is derived from its price relative to that of heating oil, based on the 2006-2010 averages for these two fuels. The source for these price data is the March, 2012, Monthly Energy Review DOE/EIA-0035(2012/02). The Short-Term Energy Outlook and the Monthly Energy Review are available on the EIA website at <http://www.eia.doe.gov>. Propane prices are econometric modeling projections based on historical Weekly Petroleum Status Report prices and Mont Belvieu spot prices. In prior *Federal Register* notices, the propane price was based on a previous 5-year average ratio with heating oil

prices published in the Monthly Energy Review, but the propane price series was dropped in March 2011 due to budgetary issues. For more information on the two sources, contact the National Energy Information Center, Forrestal Building, EI-30, 1000 Independence Avenue, SW, Washington, DC 20585, (202) 586-8800, email: infoctr@eia.doe.gov.

The 2012 representative average unit costs under section 323(b)(4) of the Act are set forth in Table 1, and will become effective **[INSERT DATE 30 DAYS AFTER THE DATE OF PUBLICATION OF THIS NOTICE IN THE FEDERAL REGISTER]**. They will remain in effect until further notice.

Issued in Washington, DC, on April 17, 2012.

David Danielson
Assistant Secretary
Energy Efficiency and Renewable Energy

**Table 1 -- Representative Average Unit Costs of Energy for Five Residential Energy Sources
(2012)**

Type of energy	Per Million Btu ¹	In commonly used terms	As required by test Procedure
Electricity	\$34.70	11.84¢/kWh ^{2,3}	\$.1184/kWh
Natural Gas	10.35	\$1.059/therm ⁴ or \$10.59/MCF ^{5,6}	.00001035/Btu
No. 2 Heating Oil	29.12	\$4.04/gallon ⁷	.00002912/Btu
Propane	28.03	\$2.56/gallon ⁸	.00002803/Btu
Kerosene	32.22	\$4.35/gallon ⁹	.00003222/Btu

Sources: U.S. Energy Information Administration, Short-Term Energy Outlook (March, 2012) and Monthly Energy Review (March, 2012), except for propane.

1. Btu stands for British thermal units.
2. kWh stands for kilowatt hour.
3. 1 kWh = 3,412 Btu.
4. 1 therm = 100,000 Btu. Natural gas prices include taxes.
5. MCF stands for 1,000 cubic feet.
6. For the purposes of this table, one cubic foot of natural gas has an energy equivalence of 1,023 Btu.
7. For the purposes of this table, one gallon of No. 2 heating oil has an energy equivalence of 138,690 Btu.
8. For the purposes of this table, one gallon of liquid propane has an energy equivalence of 91,333 Btu.
9. For the purposes of this table, one gallon of kerosene has an energy equivalence of 135,000 Btu.

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